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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/042,681	03/12/1998	AKIKO ISHIDA	MAT-5870	5427
7590	12/03/2003		EXAMINER	
LAURENCE E ASHERY RATNER & PRESTIA ONE WESTLAKES BERWYN P O BOX 980 SUITE 301 VALLEY FORGE, PA 19482			CREPEAU, JONATHAN	
ART UNIT	PAPER NUMBER	1746		
DATE MAILED: 12/03/2003				

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/042,681	ISHIDA ET AL.
	Examiner Jonathan S. Crepeau	Art Unit 1746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 24 September 2003.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 22,25,33 and 36-38 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 22,25,33 and 36-38 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

 1. Certified copies of the priority documents have been received.

 2. Certified copies of the priority documents have been received in Application No. _____.

 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

a) The translation of the foreign language provisional application has been received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s). _____ .

2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ . 6) Other: _____

DETAILED ACTION

Response to Amendment

1. This Office action addresses claims 22, 25, 33, and 36-38. Applicants' arguments regarding the Nagasubramanian et al. reference are persuasive and the rejection over that reference has been withdrawn. However, the claims are newly rejected under 35 USC §102 over JP 8-298121. Since this rejection was not necessitated by amendment, this action is non-final.

Specification

2. The abstract of the disclosure is objected to because in line 5, "ad" should be "and". Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 22, 25, 33, and 36-38 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 8-298121. Regarding claim 22, the reference is directed to a nonaqueous lithium-ion secondary battery (see abstract). Regarding claims 22 and 25, the positive electrode may comprise a lithium transition metal oxide such as LiCoO₂ (see paragraph 24 of the machine

translation). Regarding claims 22 and 37, the negative electrode contains a material which is negative during discharging of the battery, such as graphite (see paragraph 11). Regarding claim 22, the battery comprises a microporous polymer film separator (see paragraph 39). Regarding claims 22, 37, and 38, the electrolyte comprises a solvent which may comprise ethylene carbonate and ethyl methyl carbonate and a solute which may comprise lithium hexafluorophosphate (see paragraph 34). Regarding claim 22, the negative electrode may comprise electrically conductive carbon and ceramic particles which do not contribute to the electrode reactions (see abstract). The ceramic may comprise Al_2O_3 (see paragraph 8). The ceramic/carbon composite is added to the electrode in an amount of 1-30 wt%, and the ceramic particles comprise 5-50% of the composite (see paragraphs 9 and 10). This disclosure is considered to be anticipatory of Applicant's claimed ranges of 5-20 (5-10) parts by weight of ceramic particles in 100 parts by weight of active substance. Further, the particle size of the ceramic particles is in the range of 0.1-10 microns (see paragraph 9). This is also anticipatory of Applicant's range of 1 micron or less.

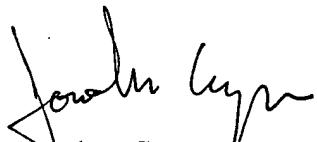
Thus, the instant claims are anticipated.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan Crepeau whose telephone number is (703) 305-0051 (prior to December 17, 2003) or (571) 272-1299 (after December 17, 2003). The examiner can normally be reached Monday-Friday from 9:30 AM - 6:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski, can be reached at (703) 308-4333. The phone number for the organization where this application or proceeding is assigned is (703) 305-5900. Additionally, documents may be faxed to (703) 872-9310 (for non-final communications) or (703) 872-9311 (for after-final communications).

Any inquiry of general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.



Jonathan Crepeau
Patent Examiner
Art Unit 1746
November 28, 2003